

1. A package comprising a wraparound carton and a plurality of articles arranged with a recess defined between adjacent ones of said articles, said articles being packaged in said carton, said carton comprising a top wall, a side wall, a base wall and a beam structure arranged to form a tubular structure that encircles said articles, said beam structure having one and the other opposite ends, wherein said beam structure is arranged to be placed in said recess and is hingedly connected at said one end thereof to said base wall.
2. The package as claimed in claim 1 wherein said carton is provided with a second side wall, and wherein said other end of said beam structure is hingedly connected to said second side wall.
3. The package as claimed in claim 2 wherein said other end is hingedly connected to said second side wall at an elevation intermediate said top wall and said base wall.
4. The package as claimed in claim 1 wherein said other end of said beam structure is hingedly connected to said top wall.
5. The package as claimed in claim 1 wherein said beam structure comprises a pair of support panels hingedly connected together along a common longitudinal edge.
6. The package as claimed in claim 5 wherein said support panels define therebetween an acute angle to facilitate formation of said beam.
7. The package as claimed in claim 1 wherein said beam structure comprises a pair of support panels and a medial panel intermediate and hingedly interconnecting said support panels along their respective upper longitudinal edges.
8. The package as claimed in any of claim 5 wherein said support panels are

hingedly connected to said base wall by a bracket panel.

9. The package as claimed in claim 8 wherein said bracket panel is triangular in shape.

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10. The package as claimed in any of claim 7 wherein said support panels are hingedly connected to said base wall via a bracket panel.

11. The package as claimed in claim 10 wherein said bracket panel is trapezoidal in shape.

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12. The package as claimed in claim 10 wherein said beam structure further comprises a pair of gusset panels hingedly connected to said bracket panel and folded out of alignment therewith, wherein said gusset panels hingedly connect said support panels to said bracket panel.

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13. The package as claimed in claim 12 wherein said gusset panels are folded out of alignment with respect to each of said support panels so as to abut walls of said adjacent articles.

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14. The package as claimed in claim 5 wherein said support panels each at least in part abut a wall of a respective one of said adjacent articles.

15. The package as claimed in claim 7 wherein said support panels each at least in part abut a wall of a respective one of said adjacent articles

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16. The package as claimed in claim 1 wherein said base wall comprises a pair of first and second base wall panels secured together, and said beam structure is connected at said one end to one of said base wall panels.

17. The package as claimed in claim 16 wherein said first base wall panel is hingedly connected to said first side wall, and said second base wall panel is connected to said one end of said beam structure.

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18. A blank for forming a wraparound carton comprising a plurality of wall panels hingedly interconnected in series, wherein said wall panels include a pair of base wall panels at opposite ends of the blank, and wherein one of said base wall panels is connected to an adjacent wall panel through a beam forming portion that includes a
10 bracket panel hingedly connected to said one base wall panel and a pair of support panels both connected to said bracket panel and extending to said adjacent wall panel.

19. The blank as claimed in claim 18 wherein said beam forming portion is hingedly connected to said adjacent wall panel along a first fold line.

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20. The blank as claimed in claim 19 wherein said wall panels further include a first side wall panel hingedly connected to the other base wall panel along a second fold line, a top wall panel hingedly connected to said first side wall panel along a third fold line, and a second side wall panel hingedly connected to said top wall panel along a fourth fold
20 line, said adjacent wall panel is said second side wall panel, and the distance between said first and fourth fold lines is less than the distance between said second and third fold lines.

21. The blank as claimed in claim 19 wherein said wall panels further include a side
25 wall panel hingedly connected to the other base wall panel, and a top wall panel hingedly connected to said side wall panel, and said adjacent wall panel is said top wall panel.

22. The blank as claimed in claim 18 wherein said beam forming portion further includes a medial panel interposed between said support panels.

23. The blank as claimed in claim 22 wherein said bracket panel is trapezoidal in shape.
- 5 24. The blank as claimed in claim 18 wherein said bracket panel is triangular in shape.
25. The blank as claimed in claims 22 wherein said beam forming portion further includes a pair of gusset panels hingedly interconnecting said bracket panel with said support panels.
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26. A method of forming a carton from said blank of claim 18 comprising the steps of:
- (i) introducing an array of articles having a recess defined between adjacent ones of said articles, to said blank;
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- (ii) inserting said beam forming portion into said recess to cause said support panels to be folded out of alignment and to engage walls of said adjacent articles; and
- (iii) folding said base wall panels into overlapping arrangement to be secured together.
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27. A wraparound carton comprising a plurality of wall panels hingedly interconnected in series to form a tubular structure, wherein said wall panels include a pair of base wall panels secured together in an overlapping relationship, and wherein one of said base wall panels is connected to an adjacent wall panel through a beam structure that includes a bracket panel hingedly connected to said one base wall panel and a pair of support panels both connected to said bracket panel and extending to said adjacent wall panel.
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28. The carton as claimed in claim 27 wherein said beam structure is hingedly connected to said adjacent wall panel along a first fold line.

29. The carton as claimed in claim 28 wherein said wall panels further include a first side wall panel hingedly connected to and extending upwardly from the other base wall panel, a top wall panel hingedly connected to said first side wall panel and disposed
5 above said base wall panels, and a second side wall panel hingedly connected to and extending downwardly from said top wall panel, said adjacent wall panel is said second side wall panel, and the distance between said first fold line and said top wall panel is less than the distance between said top wall panel and said base wall panels.
- 10 30. The carton as claimed in claim 28 wherein said wall panels further include a side wall panel hingedly connected to and extending upwardly from the other base wall panel, and a top wall panel hingedly connected to said side wall panel and disposed above said base wall panels, and said adjacent wall panel is said top wall panel.
- 15 31. The carton as claimed in claim 27 wherein said beam structure further includes a medial panel interposed between said support panels.
32. The carton as claimed in claim 31 wherein said bracket panel is trapezoidal in shape.
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33. The carton as claimed in claim 27 wherein said bracket panel is triangular in shape.
34. The carton as claimed in claims 31 wherein said beam structure further includes a
25 pair of gusset panels hingedly interconnecting said bracket panel with said support panels.